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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/707,015	11/14/2003	Po-Chih Liu	10542-US-PA	1014
31561 75	590 08/25/2005		EXAMINER	
JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE 7 FLOOR-1, NO. 100			PHAN, THIEM D	
•	ROAD, SECTION 2	•	ART UNIT	PAPER NUMBER
TAIPEI, 100 TAIWAN		3729		
		•	DATE MAILED: 08/25/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/707,015	LIU, PO-CHIH				
Office Action Summary	Examiner	Art Unit				
	Tim Phan	3729	• 			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period we Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	ely filed s will be considered timel the mailing date of this co	y. ommunication.			
Status						
 1) Responsive to communication(s) filed on 13 Jule 2a) This action is FINAL. 2b) This 3) Since this application is in condition for alloward closed in accordance with the practice under Expensive to communication(s) filed on 13 Jule 	action is non-final. nce except for formal matters, pro		e merits is			
Disposition of Claims						
 4) Claim(s) 1-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-14 are subject to restriction and/or extraction. 	vn from consideration.					
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Examine 11.	epted or b) objected to by the formal drawing (s) be held in abeyance. See ion is required if the drawing (s) is objected to by	e 37 CFR 1.85(a). jected to. See 37 C				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:						

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DETAILED ACTION

Election/Restrictions

- 1 Applicant's election without traverse of Group I, Claims 1-10, filed on 7/13/05 is acknowledged and upon further consideration by the examiner, the previous Restriction requirement (filed on 6/15/05) has been withdrawn in view of the following Restriction.
- 2. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-10, drawn to a process for fabricating a substrate, classified in class 29, subclass 846.
 - II. Claims 11-14, drawn to a substrate, classified in class 174, subclass 255.
- 3. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process. The product can be made without the steps of forming the mask layers and then removing the same. Further, the

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patterns can be made by other known processes in the art such as screen printing or vapor deposition process or stamping a metal plate and gluing the same on the board, instead of electroplating.

- 4. If applicant elects the invention of Group I, a further Restriction is required:
 - I-A. Claims 1-6, drawn to a process for fabricating a substrate, classified in class 29, subclass 831;
 - I-B. Claims 7-10, drawn to an alternative process for fabricating a substrate, classified in class 29, subclass 846.
- 5. The inventions are distinct, each from the other because of the following reasons:

Inventions I-B and I-A are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the process for fabricating a substrate, as recited in Group I-B, does not require several mask layers such as the second, third and fourth thereof, as required by Group I-A. The subcombination, Invention I-A, has separate utility such as utilizing four seed layers in the process.

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Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Because these inventions are distinct for the reasons given above and the search required for each group is not required for other groups, restriction for examination purposes as indicated is proper.

6. A telephone call was not made to Belinda Lee to request an oral election to the above restriction requirement as domestic contact number is not available, thus resulting in an election not being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tim Phan whose telephone number is 571-272-4568. The examiner can normally be reached on M - F, 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CARL J. ARBES PRIMARY EXAMINER

Tim Phan Examiner Art Unit 3729

tp August 22, 2005